

Romanowsky type stain reagent for the differentiation of cell types in blood smears.#

Specification:

Contains May Grunwalds compound in a methanolic solvent system containing solubility improvers and stabilisers. Ready to use.

General Method (single slide) :

- 1 – Cover fresh thin dry blood smear with 1-1.5 ml of stain for 2 minutes to allow fixation .
- 2 – Add to the stain 2 ml of pH 6.80 phosphate buffer (Code: B010) and mix carefully on the slide. Allow slide to stain for 5 minutes.
- 3 – Rinse slide for 30secs to 1 minute in pH 6.80 buffer until smear in pink.
- 4 – Blot dry and air dry.
- 5 – Examine under oil immersion.

Results:

	NUCLEUS	CYTOPLASM	GRANULES
Erythrocytes		Pink	
Platelets		Pink-purple	Violet-purple

POLYMORPHONUCLEARS

Neutrophils	Purple	Pink-gray	Red-lilac
Eosinophils	Blue-purple	Pink-gray	Red-orange
Basophils	Purple-blue		Dark purple-black
Bands	Purple	Pink-gray	Violet
Lymphocytes	Purple	Blue purple	

Storage:

Store reagent at cool room temperature in darkened cupboard away from sources of ignition.

Health & Safety:

Contains Methyl alcohol, which is Highly Flammable and Toxic by inhalation and ingestion. Do not consume. Avoid sources of ignition when using. Long term exposure may cause blindness. If ingested seek immediate medical attention on what treatment is appropriate. Wash with soap and water in contact with skin. If in contact with eyes bathe eyes with eye-bath for 5 minutes. Seek medical attention if soreness persists. Wear suitable eye, face and body protection when using. Use in a suitably ventilated area or under a ventilated hood..

Waste disposal :

May Grunwalds stain is flammable & toxic. It is volatile in air so spillage vapours may present and explosion hazard in small spaces if mixed with air. Mop up immediately with suitable absorbent granules or paper and remove to outside area for proper disposal (can be evaporated to atmosphere). Clean the spillage area with detergent & water and run the waste to sewer drains. Unused reagent can be disposed of by disposal to public sewer dilution greatly with tapwater. If quantities larger than 250ml are involved the waste should be collected in a suitable container for disposal by a licensed waste disposal contractor. Packaging should be rinsed with water and recycled as polyethylene, paper & cardboard.

Unsatisfactory performance

As part of our duty to monitor product performance and our policy of continual improvement. Please report to us any unsatisfactory performance you may experience with this product. If any reagent degrades before expiry of shelf life we will replace that reagent free of charge.

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